

DESCRIPTION

THE MODEL P1T-6G18G-60-T-SFF-1W-OPT28 IS A HIGH SPEED, SINGLE POLE, SINGLE THROW, ABSORPTIVE SWITCH CAPABLE OF SWITCHING WITHIN 25ns WITH INPUT RF POWER LEVELS UP TO 1 WATT CW.. THE FREQUENCY RANGE IS 2.0 TO 8.0 GHz AND THIS SWITCH HAS OVER 60dB OF ISOLATION.

SPECIFICATIONS:

- FREQUENCY RANGE: 2.0 TO 8.0 GHz
- INSERTION LOSS: 2.75dB MAXIMUM
- ISOLATION: 65dB MINIMUM
- VSWR (ON/OFF): 2.0:1 MAXIMUM, 1.5:1 GOAL
- SWITCHING SPEED: 25 ns TYPICAL
(50% TTL TO 10/90% RF)
- OPERATING POWER: +30dBm MAXIMUM
- CONTROL: TTL LOGIC "0" = INSERTION LOSS
TTL LOGIC "1" = ISOLATION
- POWER SUPPLY: +5V @ 50 mA MAXIMUM
-15V @ 75 mA MAXIMUM
- CONNECTORS:
RF: SMA FEMALE
CONTROL: SOLDER PIN
- SIZE: (L) 1.0" X (W) 1.0" X (H) 0.5"
- FINISH: BLUE EPOXY POLIMIDE COATING IAW MIL-C-22750,
TYPE I OVER EPOXY POLIMIDE PRIMER
IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.
- SEALING: EPOXY SEALED

OPTIONS:

- -HERM _____ HERMETIC SEALING

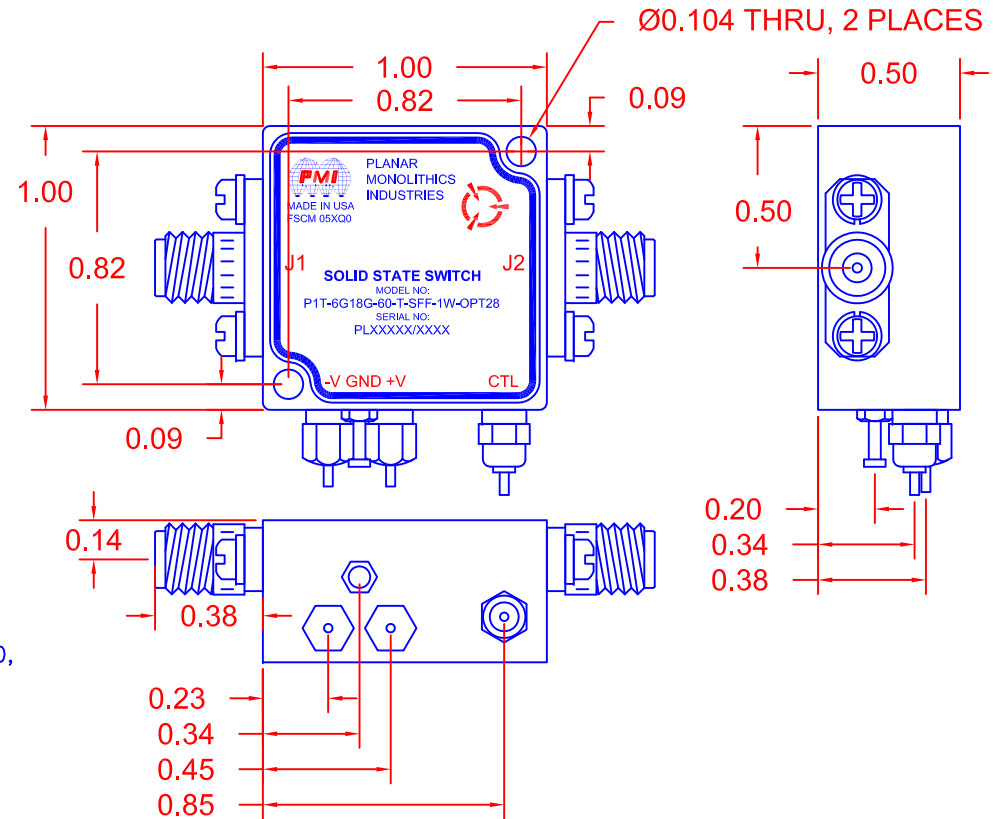
ENVIRONMENTAL RATINGS:

- TEMPERATURE: -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	08/15/16	



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>EMF</i>		08/15/16	PRODUCT FEATURE		
CHECKED			P1T-6G18G-60-T-SFF-1W-OPT28		
ISSUED			SIZE	FSCM NO.	DWG NO.
			A	05XQ0	PRELIMINARY
			SCALE	N:S	SHEET 1 OF 1